

Type 2A63 DIFFERENTIAL AMPLIFIER UNIT



The Type 2A63 is a differential-input amplifier plug-in unit that can be used to make voltage measurements between two above-ground points while at the same time cancelling in-phase signals such as hum pickup in the connecting leads. The Type 2A63 may be used in the Type 561A, Type 564, Type 565, or Type 567 Oscilloscope. However, in the Type 567, the measurements will not be presented in digital form. Used with the Type 129 Power Supply, the Type 2A63 can drive recorders, X-Y plotters, oscilloscopes, and other indicators.

CALIBRATED DEFLECTION FACTOR is from 1 mV/div to 20 V/div in 14 steps, 1-2-5 sequence; accuracy within 3%. Uncalibrated continuous control from 1 mV/div to 50 V/div.

BANDWIDTH is DC to 300 kHz. Bandwidth is specified at -3 dB.

RISETIME is 1 μ s (approx).

DIFFERENTIAL INPUT has better than 50-to-1 CMR (Common Mode Rejection) at 0.2 V/div with 50 kHz sine wave.

PHASE SHIFT between two Type 2A63 units used for X-Y displays is nominally less than 1° at 50 kHz.

INTER-STAGE AC COUPLING reduces drift at high gain.

INPUT RC is 1 megohm paralleled by approximately 47 pF.

MAXIMUM INPUT VOLTAGE is 600 volts.

NET WEIGHT is 3 $\frac{3}{4}$ pounds. Shipping weight is 5 pounds, approx.

TYPE 2A63 AMPLIFIER UNIT \$150
Each instrument includes: 2—instruction manuals (070-0266-00).



Type 2B67 TIME-BASE UNIT

The Type 2B67 is a Time-Base Plug-In Unit that may be used to generate a sweep in the Type 561A, Type 564, Type 565 (raster generation), or Type 567 Oscilloscope. However, in the Type 567, the measurements will not be presented in digital form. The Type 2B67 also has facilities for an external input to the sweep amplifier.

CALIBRATED SWEEP RANGE is from 1 μ s/div to 5 s/div in 21 steps, 1-2-5 sequence; accuracy 3%—with magnifier 5%. Uncalibrated continuous control from 1 μ s/div to 12 s/div.

5X MAGNIFIER extends sweep rate to 0.2 μ s/div.

SINGLE SWEEP for one-shot waveform photography and storage applications.

TRIGGER FACILITIES include Internal, External, Line; Amplitude-Level Selection; AC or DC Coupling; Automatic or Free Run; $\pm$ Slope.

TRIGGER REQUIREMENT for internal is 2 minor graticule divisions of deflection; for external, minimum is from 0.5 V at DC to 2.0 V at 2 MHz.

EXTERNAL INPUT TO SWEEP AMPLIFIER has a bandwidth of DC to 750 kHz and a deflection factor of about 1 V/div.

NET WEIGHT is 4 $\frac{1}{4}$ pounds. Shipping weight is 5 pounds, approx.

TYPE 2B67 TIME-BASE UNIT \$210
Each instrument includes: 2—instruction manual (070-0366-00).



U.S. Sales Prices f.o.b. Beaverton, Oregon

